

CONTENTS

Registration form and list of titles and speakers	<u>2</u>
Schedule	<u>4</u>
Background to the Seminar	<u>5</u>
List of delegates	<u>6</u>



an ERCC seminar

Wednesday, May 28 2.15pm to 5pm Thursday, May 29 9.30am to 5pm

Lecture Theatre 2 The King's Buildings Edinburgh Resistration forms obtainable from FREE

by Mr D.T. Muxworthy, Edinburgh Regional Computing Centre
Co-operative statistical programming in Fortran
by Dr J.A. Nelder, Head of Statistics Dept, Rothamsted Experimental Station
Fortran IV: Will it fossilize, or can it be a foundation for progress in programming? by Mr D.H. Rees, Head of Computer Dept
Rothamsted Experimental Station
Writing and running Fortran compilers for London University users by Dr H.J. Zell, London University Computer Centre
Programming languages - requirements for teaching
by Prof. M. Rogers, Computer Unit, Bristol University
Computing for non-specialists
by Dr P.A. Samet, Director of Compute Centre, University College, London
Teaching programming languages by Prof. S. Michaelson, Dept of
Computer Science, Edinburgh Universit
THE REGIONAL COMPUTING CENTRE WILL BE OPEN TO VISITORS FROM 5.30 P.M.

REGISTRATION FORM

I wish to attend the Fortran Trendsetters seminar on May 28 & 29, 1969, for which I enclose the registration fee of 5s.

Name

Address/Department

* I require lunch on Thursday for which I enclose an <u>additional</u> payment of 15s.

* Please book a single/double room in a local/city centre hotel in the price range 30-50s/*50-?0s/*70-90s per person from to

Special requirements:

(*City centre only)

" PLEASE DELETE IF NOT REQUIRED

This form, together with the appropriate payment, should be returned not later than April 30, 1969, to

The Program Librarian Edinburgh Regional Computing Centre The King's Buildings Edinburgh 9

Cheques or Postal Orders should be made payable to "The University of Edinburgh"

GENERAL INFORMATION

Location

All papers will be presented in Lecture Theatre 2 in the School of Engineering Science, University of Edinburgh, The King's Buildings, Mayfield Road, Edinburgh 9.

Timing

The seminar will be held from 2.15 p.m. until 5 p.m. on Wednesday May 28 and from 9.30 a.m. until 5 p.m. on Thursday May 29, 1969. There will be opportunity for discussion after each paper.

Meals and refreshments

The cost of morning and afternoon refreshments is included in the registration fee of 5s. A set lunch can be provided on Thursday for an additional charge of 15s. Payment should accompany the registration form.

Accommodation

The Centre can arrange to book overnight accommodation in a local or city centre hotel. Please state on the registration form any preferences for location, price range, private bathroom, etc.

EDINBURGH REGIONAL COMPUTING CENTRE "FORTRAN TRENDSETTERS" SEMINAR

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TIME TABLE

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Wednesday, 28th May, 1969	Thursday, 29th May, 1969
Chair	Chair
3 0 •	9.00 a.m. Mr K.F. James Dr G.E. Thomas Mr D. Hendry *(Q/A session)
	10.15 a.m. Tea Break
	10.30 a.m. Dr D.C.S. Allison Mrs M.M. Berrit Mr D.T. Muxworthy
	Dr J. Nelder
	Dr H.J. Zell
	Mr D. Rees
	•(Q/A session)
12.30 p.m. Lunch	12.20 p.m. Lunch
2.15 p.m. Compiler Design Introduction Mrs M.M. Barritt	
2.30 p.m. Dr T. Pinkerton	2.15 p.m. Prof. M. Rogers Mrs M.M. Barritt
Mr G. E. Millard	Dr P.A. Samet
Dr I. Pyle	Prof. S. Michaelson
*(Q/A session)	
3.45 p.m. Tes Break	3.30 p.m. Tea Break
4.00 p.m. Dr J. Larmouth	3.45 p.m. Discussion
Mr H. Whitfield	4.45 p.m. Conclusion Dr G.E. Thomas
5.00 p.m. Close (Delegates are invited to visit the Regional Centre between 5.00 and 6.30 p.m. on 28th May).	5.00 p.m. Close

EACH SPEAKER WILL HAVE A WARNING LIGHT AT 15 MINUTES AND CUT-OFF AT 20 MINUTES

"Question and Answer Session

1969 FORTRAN Seminar

The Regional Centre interest in FORTRAN stems from the need to provide a proportion of the Edinburgh community of Users with the means of continuing access on a local computer to a programming language which is accepted internationally and in which reputable programs are available and easily transferable. The selection of FORTRAN as distinct from Algol or PL1 was simplified by an existing commitment to maintain a local language (IMP) which had been derived from Atlas Autocode, and which reproduced the attractive features of Algol and could be developed in the light of experience gained with languages such as PL1.

A requirement therefore arises that the Centre shall provide and maintain suitable FORTRAN compilers for the 4-75 installation for which an operating system is being written in Edinburgh (EMAP) by a joint team of University and ICL staff based on the Department of Computer Science.

It is hoped that this Seminar will stimulate discussion on design trends in both the structure and facilities of language compilers in general and FORTRAN in particular.

Delegates

H. D. Abramson Computing Laboratory, University of St. Andrews Mrs. L. D. Aitken Edinburgh Regional Computing Centre W. Aitken Edinburgh Regional Computing Centre J. L. Allan Department of Computer Science, Heriot-Watt University P. U. Allan Department of Computer Science, Heriot-Watt University Dr. D. C. S. Allison Queens University, Belfast Mr. Anderson Agricultural Research Council, Poultry Research Centre, University of Edinburgh H. Ashcroft Central Technical Services, Reactor Group, U.K. Atomic Energy Authority, Risley M. Avis Edinburgh Regional Computing Centre A. Balfour Department of Computer Science, Heriot-Watt University Department of Computer Science, Heriot-Watt University K. Barclay D. F. Barnard Architecture and Planning Research Unit, University of Edinburgh Ms. M. M. Barritt Edinburgh Regional Computing Centre E. I. Bodger Chemistry Department, University of Dundee D. Brennan Control Data Ltd. P. J. Buckley International Computers Ltd. G. M. Bull Hatfield Polytechnic D. G. Burnett-Hall Department of Computation, University of York Mrs. V. Calderbank U.K. Atomic Energy Authority, Culham Laboratory D. Candlin Institute of Mathematical Physics, University of Edinburgh Mrs. R. Candlin Department of Computer Science, University of Edinburgh L. J. Capstick I.B.M. R. G. Clark Chemistry Department, University of Dundee T. R. Clayton International Computers Ltd. K. F. Clements G.P.O. Technical Headquarters A. J. Cole Computing Laboratory, University of St. Andrews D. W. J. Coleman International Computers Ltd. Miss S. Copland Department of Computer Science, Heriot-Watt University R. J. Cowe Department of Computer Science, University of Edinburgh Department of Mathematics, Glamorgan College of D. W. J. Cox Technology C. J. Crook Department of Computer Science, Heriot-Watt University P. J. Cropper International Computers Ltd. F. P. Daly Management Services Division, South of Scotland Electricity Board A. J. T. Davie Computing Laboratory, University of St. Andrews R. H. Davis Department of Computer Science, Heriot-Watt University C. Dean I.B.M. National Data Processing Service Mr. Dodwell Miss M. Duffy Department of Computer Science, Heriot-Watt University J. Ellenby Edinburgh Regional Computing Centre/Department of Computer Science, University of Edinburgh D. E. Evans Centre for Computing & Automation, Imperial College of Science and Technology ' T.H. Fairlie Education Offices, Edinburgh M. Falla Department of Computer Science, University of Edinburgh/ International Computers Ltd. Dr. G. Fast Universitair Reken Centrum, University of Nijmegen R. H. Faucett College of Agriculture, University of Edinburgh Miss A. Finch Edinburgh Regional Computing Centre A.C. Finch Department of Forestry & Natural Resources, University of Edinburgh

Dr. E. J. Fish M.M. Fisher Dr. E. D. Ford G. B. Fox E. Foxley J. L. Fyfe M. J. Garside J. Gilchurst Dr. J. Gilmour D. A. Godfrey Mr. Greenwood P. Hammersley Mrs. J. Harding Miss D. Harveson E. Hendriksen D. Hendry Dr. F. Hertweck A. J. Heyes Mrs. A. J. Heyes P. G. Hibbard P. M. Hibbert V. Hodge C.Holden I. Hogg P. F. Holland Mrs. J. Hornby M. J. Houghton Mrs. S. A. Houston R. B. Hunter G. Hutton E. B. James K. F. James R. John C. B. C. Johnson G. Jolly D. A. Jones C. H. Kaplinsky A. C. Kilgour J. W. B. King P. J. H. King Mrs. A. Kruzycka Miss S. Laflin Dr. J. Larmouth Dr. D. Leach J. Leggate M. Leigh P. S. Ligthart Dr. Lindsay H. MacFadzean D. J. Mackay C. K. Mackinnon

Department of Civil Engineering, University of Nottingham Edinburgh Regional Computing Centre Department of Forestry & Natural Resources, University of Edinburgh International Computers Ltd. University of Nottingham Scottish Plant Breeding Station Computing Laboratory, University of Kent I.B.M. College of Agriculture, University of Edinburgh Department of Computer Science, Heriot-Watt University University of Keele Mathematical Laboratory, University of Cambridge Agricultural Research Council, Unit of Statistics, University of Edinburgh O & M/Computer Division, Edinburgh Corporation Edinburgh Regional Computing Centre Institute of Computer Science, University of London Institüt für Plasmaphysik GmbH. International Computers Ltd. International Computers Ltd. Department of Computational & Statistical Science, University of Liverpool OR & MT Department, ICI_ Ltd. (Plastics Division) Computer Science/International Computers Ltd. Department of Computer Science, Heriot-Watt University Department of Computer Science, Heriot-Watt University British Steel Corporation Edinburgh Regional Computing Centre Computer Services, London School of Economics International Computers Ltd. Department of Computer Science, University of Strathclyde Department of Computer Science, Heriot-Watt University Centre for Computing & Automation, Imperial College of Science & Technology. International Computers Ltd. Edinburgh Regional Computing Centre Technical Support Unit, Ministry of Technology Agricultural Research Council, Unit of Statistics, University of Edinburgh Computing Department, University of Glasgow Computer Unit, Westfield College, London Department of Computer Science, University of Edinburgh Animal Breeding Research Organisation, University of Edinburgh Computer Unit, University College of Wales, Aberystwyth Computer Unit, University of Stirling Computer Centre, University of Birmingham Mathematical Laboratory, University of Cambridge Mathematics Department, Napier College of Science & Technology, Edinburgh Department of Computer Science, Heriot-Watt University Imperial College of Science & Technology Reken Centrum, University of Nijmegen Edinburgh Royal Infirmary I.B.M. O & M/Computer Division, Edinburgh Corporation U.K. Atomic Energy Authority

B.P. Chemicals, Grangemouth A. M. MacLean University of Glasgow Mr. Macmillan R. Mahoney Computation Department, University College of Wales Swansea Edinburgh Regional Computing Centre E. R. Mansion Miss C. Marr Edinburgh Regional Computing Centre D. H. Marwick Department of Computer Science, Heriot-Watt University C. D. McArthur Edinburgh Regional Computing Centre Computer Laboratory, Queen's University, Belfast R. A. McLauchlin A. J. McTernan Department of Computer Science, Heriot-Watt University Professor S.Michaelson Department of Computer Science, University of Edinburgh M. Micher Bulgarian Management Development Centre G. E. Millard Edinburgh Regional Computing Centre I. Miller Department of Computer Science, University of Strathclyde L. S. Monteiro Animal Breeding Research Organisation, University of Edinburgh M. Moores Edinburgh Regional Computing Centre Agricultural Research Council, Poultry Research Centre, Mr. Morely-Jones University of Edinburgh P. A. Morton Computer Unit, University of Exeter J. Morven-Wilson Computing Department, University of Glasgow Edinburgh Regional Computing Centre J. M. Murison Department of Computing, University of Aberdeen Dr. Murray D. T. Muxworthy Edinburgh Regional Computing Centre Dr. J. A. Nelder Department of Statistics, Rothamsted Experimental Station Dr. A. W. Nichol Department of Physics, University of Exeter F. O. O'Brien Imperial College of Science & Technology D.D.M. Ogilvie Edinburgh Regional Computing Centre Department of Computer Science, University of Edinburgh Dr. J. V. Oldfield R. Palmer University of Exeter N. Papasimakopoulos Edinburgh O & M/Computer Division, Edinburgh Corporation D. G. Paterson H. D. Patterson Agricultural Research Council, Unit of Statistics, University of Edinburgh University of Michigan/Department of Computer Science, Dr. T. Pinkerton University of Edinburgh Agricultural Research Council, Animal Breeding Research A. F. Purser Organisation, University of Edinburgh Atomic Energy Research Establishment, Harwell Dr. I. Pyle International Computers Ltd. S. J. Rappolt D. H. Rees Computer Department, Rothamsted Experimental Station D. J. Rees Edinburgh Multi-Access Project Computing Service, University of Southampton J. R. Reeves A. Renshaw Architecture & Planning Research Unit, University of Edinburgh Computer Unit, University of Bristol Professor M. Rogers Computing Department, University of Glasgow A. L. Rowe Department of Computing, University of Aberdeen B.F. Rule W. S. Russell Agricultural Research Council, Animal Breeding Research Organisation, University of Edinburgh Dr. P. A. Samet Computer Centre, University of London Dr. P. D. Schofield Department of Computer Science, University of Edinburgh I. Smith Computing Department, University of Glasgow J. A. R. Smith Department of Computer Science, Heriot-Watt University Dr. B. Spratt Computing Laboratory, University of Kent Dr. G. Stacey Edinburgh Regional Computing Centre Department of Computer Science, Heriot-Watt University Miss I. Stevens Dr. D. G. Stevenson B.P. Chemicals (U.K.) Ltd., Grangemouth

D. J. W. Stone Department of Computer Science, University of Glasgow C. S. Taylor Animal Breeding Research Organisation, University of Edinburgh Edinburgh Regional Computing Centre Dr. D. B. Taylor Computer Systems Group, Rutherford Laboratory, Chilton R. Taylor T. J. Teale Computer Unit, University of Stirling M. J. Terry Atomic Energy Establishment, Winfrith G. E. Thomas Edinburgh Regional Computing Centre J. S. Thomas Computer Unit, University of Exeter Department of Computation, University of York R. J. Thomas Miss C. M. Thompson Software Group, Docos House R. Tough Computer Services Section, South of Scotland Electricity Board D. E. Tuffs International Computers Ltd. Dr. L. M. Underhill U.K. Atomic Energy Authority, Risley Edinburgh Regional Computing Centre W. Watson H. Whitfield Department of Computer Science, University of Edinburgh M. Woodger Division of Computer Science, National Physical Laboratory Dr. H. J. Zell University of London Computer Centre